

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

What is claimed is:

1. (Currently Amended) A compressor assembly comprising:  
a compressor associated with a compressor drive means and including an inlet positioned to draw in air, the compressor operable to compress the air;  
a cooling system positioned downstream from the compressor and configured to receive compressed ~~fluid~~ air discharged from the compressor, the cooling system comprising:  
a heat exchanger;  
an air circulator configured for moving air across the heat exchanger; and  
a variable speed circulator drive means operating independently of the compressor drive means; [[and]]  
at least one sensor, configured to sense at least one characteristic of the compressed ~~fluid~~ air, associated with the circulator drive means such that the speed of the circulator drive means is adjusted in response to a real-time characteristic sensed by the at least one sensor; and  
an outlet positioned downstream of the cooling system to discharge compressed air from the system.
2. (Canceled)
3. (Original) The compressor assembly of claim 1 wherein the at least one sensor is a temperature sensor configured to measure the temperature of the compressed fluid.
4. (Previously Presented) The compressor assembly of claim 1 wherein the at least one sensor is positioned between the compressor and the cooling system.
5. (Canceled)

6. (Original) The compressor assembly of claim 3 wherein the at least one sensor and the circulator drive means are associated with a controller configured to send a control signal to the circulator drive means based on received signals from the at least one sensor.

7-21. (Canceled)

22. (Original) The compressor assembly of claim 1 wherein the at least one characteristic of the compressed fluid sensed by the at least one sensor is one of the compressed fluid temperature, relative humidity, dew point, or compressed fluid pressure.

23. (New) The compressor assembly of claim 1, wherein the compressor drive means includes a variable speed motor.